

Serial No. 10/074,228  
Amdt. dated November 17, 2004  
Reply to Office Action of August 11, 2004

-4-

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of claims:**

1. (Currently amended) A separator for a solid electrolyte condenser, comprising:

a nonwoven fabric containing polyester resin or its derivative; [[and]]

a diameter of fiber of said nonwoven fabric is 0.01 to 3 dtex; and [[.]]

said nonwoven fabric contains said polyester resin of polyethyleneterephthalate family containing carboxyalkoxybenzenesulfonic acid and its derivatives as a copolymerization ingredient.

2. (Cancel)

3. (Currently amended) The separator according to claim [[2]] 1, wherein said carboxyalkoxybenzenesulfonic acid and its derivatives are 3,5-dicarboxymethoxybenzenesulfonic acid and its derivatives.

4. (Original) The separator according to claim 1, wherein said nonwoven fabric contains said polyester resin of polyethyleneterephthalate family containing alkylglycol and its

Serial No. 10/074,228  
Amdt. dated November 17, 2004  
Reply to Office Action of August 11, 2004

-5-

derivatives as a copolymerization ingredient.

5. (Original) The separator according to claim 4, wherein said alkylglycol and its derivatives are diethyleneglycol and its derivatives.

6. (Previously presented) The separator according to claim 1, wherein said nonwoven fabric contains:

polyester resin of polyethyleneterephthalate family containing carboxyalkoxybenzenesulfonic acid and its derivatives as a copolymerization ingredient; and

polyester resin of polyethyleneterephthalate family containing alkylglycol and its derivatives as a copolymerization ingredient.

7. (Original) The separator according to claim 6, wherein a concentration of said polyester resin of polyethylenephthalate family containing carboxyalkoxybenzenesulfonic acid and its derivatives as a copolymerization ingredient is greater than or equal to 50 weight %.

8. (Previously presented) The separator according to claim 1, wherein:

a thickness of said separator is in a range of 20 to 100  $\mu\text{m}$ ;  
and

a density of said separator is in a range of 0.30 to 0.70  $\text{g/cm}^3$ .

Serial No. 10/074,228

Amdt. dated November 17, 2004

Reply to Office Action of August 11, 2004

-6-

9. (Currently amended) A solid electrolyte condenser,  
comprising:

an anode foil;

a cathode foil;

a separator between said anode foil and said cathode foil;

solid electrolyte between said anode foil and said cathode  
foil;

a surface of said anode foil is etched and insulating oxide  
film is formed on said surface;

a surface of said cathode foil is at least etched;

said separator is sandwiched between said anode foil and said  
cathode foil and is rolled together with said anode foil and said  
cathode foil to form a condenser element; [[and]]

said solid electrolyte is provided between said anode oil and  
said cathode foil[[.]];

said separator is a nonwoven fabric containing polyester resin  
or its derivative;

a diameter of fiber of said nonwoven fabric is 0.01 to 3 dtex;  
and

said nonwoven fabric contains said polyester resin of  
polyethyleneterephthalate family containing  
carboxyalkoxybenzenesulfonic acid and its derivatives as a  
copolymerization ingredient.

Serial No. 10/074,228

Amdt. dated November 17, 2004

Reply to Office Action of August 11, 2004

-7-

10. (Previously presented) The solid electrolyte condenser according to claim 9, wherein said solid electrolyte is a conductive polymer containing at least one material selected from among tetracyanoquinodimethanecomplex salt and its derivatives, polypyrrole and its derivatives, polyaniline and its derivatives, polythiophene and its derivatives, polyethelenedioxythiophene and its derivatives, polyethelenedioxyphenethiophenepolystyrenesulfonate and its derivatives.

11. (Previously presented) The solid electrolyte condenser according to claim 10, wherein said conductive polymer contains at least one binder ingredient selected from among polyvinylalcohol, polyvinylacetate, polycarbonate, polyacrylate, polymethacrylate, polystyrene, polyurethane, polyacrylonitrile, polybutadiene, polyisoprene, polyether, a plurality of polyesters, polyamide, butylal resin, silicone resin, malamine resin, alkyld resin, cellulose, nitrocellulose, a plurality of epoxy resins, and all of their derivatives.

12. (Previously presented) The solid electrolyte condenser according to claim 11, wherein said plurality of polyesters are selected from among polyethyleneterephthalate, carbonyl modified polyethyleneterephthalate, sulfonic acid modified polyethyleneterephthalate, polybutyleneterephthalate, carbonyl

Serial No. 10/074,228

Amdt. dated November 17, 2004

Reply to Office Action of August 11, 2004

-8-

modified polyethyleneterephthalate, sulfonic acid modified polybutyleneterephthalate.

13. (Previously presented) The solid electrolyte condenser according to claim 11, wherein said plurality of epoxy resins are selected from among bisphenol A type epoxy, bisphenol F type epoxy, alicycliceoxy, nitrile rubber modified epoxy.

14. (Canceled)

15. (Canceled)

16. (Currently amended) The solid electrolyte condenser according to claim 9 [[15]], wherein said carboxyalkoxybenzenesulfonic acid and its derivatives are 3,5-dicarboxymethoxybenzenesulfonic acid and its derivatives.

17. (Currently amended) The solid electrolyte condenser according to claim 9, wherein said nonwoven fabric contains said polyester resin of [polyetheneterphthalate] polyethyleneterephthalate family containing alkylglycol and its derivatives as a copolymerization ingredient.

18. (Previously presented) The solid electrolyte condenser according to claim 17, wherein said alkylglycol and its derivatives are diethyleneglycol and its derivatives.

19. (Previously presented) The solid electrolyte condenser according to claim 9, wherein said nonwoven fabric contains:

polyester resin of polyethyleneterephthalate family containing

Serial No. 10/074,228  
Amdt. dated November 17, 2004  
Reply to Office Action of August 11, 2004

-9-

carboxyalkoxybenzenesulfonic acid and its derivatives as a copolymerization ingredient; and

polyester resin of polythyleneterephthalate family containing alkylglycol and its derivatives as a copolymerization ingredient.

20. (Previously presented) The solid electrolyte condenser according to claim 19, wherein a concentration of said polyester resin of polyethylenephthalate family containing carboxyalkoxybenzenesulfonic acid and its derivatives as a copolymerization ingredient is greater than or equal to 50 weight%.

21. (Previously presented) The solid electrolyte condenser according to claim 9, wherein:

a thickness of said separator is in a range of 20 to 100  $\mu\text{m}$ ; and a density of said separator is in a range of 0.30 to 0.70  $\text{g}/\text{cm}^3$ .